

WHAT IS CLAIMED IS:

1. A method for simulating and designing an electrical power distribution system with a software routine, comprising:
- 5 (a) providing a computer display screen; and
(b) displaying on said screen a visual image of individual terminal blocks and electrical modules in the form of tokens mounted on a mounting rail.
2. A method as defined in claim 1, wherein the terminal blocks and electrical modules are displayed in a photorealistic manner.
- 10 3. A method as defined in claim 1, wherein an inventory of the individual terminal blocks is stored in a data storage bank; and further wherein during the simulation of the mounting of a terminal block token on the mounting rail, the removal of the terminal blocks from the inventory in the data storage bank is successively read out and displayed on the computer screen.
- 15 4. A method as defined in claim 3, wherein the data storage bank contains a memory space that is reserved for the terminal block to be illustrated; and further wherein the items removed from the inventory are read out of the data bank, interpreted, and displayed as the smallest possible graphic element on the screen, and wherein each element from the inventory corresponds with one of the tokens.
- 20 5. A method as defined in claim 1, wherein the physical properties represented by the tokens are variable.

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